

R E F E R E N C E S

REFERENCES

1. ANKLESWARIA, N. (1981) : Comparison of different instructional strategies for teaching a course on Nutrition to second year B.Sc.(Home students in Baroda - Doctoral Thesis, CASE, M. S. University, Baroda.
2. ARY, D., JACOBS, L. C. AND RAZAVICH, A. (1972) : Introduction to research in education, Holt, Rinehart and Winston Inc., New York.
3. BHAT, V. D. (1982) A study of the effect of simulation on the performance of teacher trainees in Educational Psychology - Doctoral Thesis, CASE, M.S.University, Baroda.
4. BHUSAN, A. (1972) : An experimental study of the factors relating to the performance of learning through programmed instruction in Educational statistics of B. Ed. students - Doctoral Thesis, Meerut University, Meerut.
5. BLIGH, D. A (1972): What is the use of lectures ? Penguins.
6. BLOCK, J. H. Promoting Excellence Through Mastery Learning Journal : Theory into practice Volume XIX, No.1, Winter 1980; The Ohio State University.
7. BLOCK, J. H. (Ed.) Mastery Learning : Theory and Practice New York; Holt, Rinehart and Winston, 1971.

8. BLOOM, B. S., HASINGS, J. T. and MADANS, G. F. (ed.)
(1971) : Handbook on Formative and summative
evaluation of student learning, Mc Graw-Hill,
New York.
9. BLOOM, B. S. (ed) (1956) : Taxonomy of educational
objectives: The classification of Educational
Goals, Handbook 1. Cognitive Domain, McKay,
New York.
10. BORG WALTER R. and GALL MEREDITH DAMIEN, Educational
Research Fourth Edition, Longman Inc, 1560
Broadway, New York, N.Y. 70036, 1983.
11. BRIGGS, L. J. (1960) : A survey of cueing methods in
education and in automated programs. Quoted in
Smith, W. I. and Moore, J. W. Programmed
learning, Van Nostrand Co. Inc., 1962, p.175.
12. BRUNER , J. S. (1964) : Towards a theory of instruction,
Harward University Press, Cambridge, Mass. 1964.
13. Buch M. B. Second survey of Research in Education
1972-1978. Published by M. B. Buch ' on behalf
of the Society For Educational Research and
Development, 46, Harinagar, Gotri Road,
Baroda-390 007, India.
14. CAMPEBELL, D. T. and STANLEY, J. C. Experimental and
quasi experimental designs for research on teaching.
In Gage, N. L. (ed.) Handbook of Research on
Teaching, AERA, Rand McNally and Co., Chicago,
1963, pp. 171-246.

15. CARPENTER, C. R. and GREENHILL, L. P. (1963) : Comparative research on methods and media for presenting programmed courses in Mathematics and English - Pennyslavana State University. Quoted in Sleeman, P. J. and Rockwell, D. M. : Instructional Media and Technology : A Professionals Resource, Dowden, Hutchinson and Ross Inc. Pennyslavana.
16. CARROLL, J. (1963) : A... model of school learning, teachers college record, 64, pp. 723-733.
17. CHANDRA KALA (1976) An experimental study of different methods of teaching Sanskrit grammer to high school classes.
In Buch, M. B. (ed).. Second survey of Research in Education, 1979, SERD, Baroda.
18. CHAUHAN S. S. A Textbook of Programmed Instruction.
Published by S. K. Ghai, Managing Director, Sterling Publishers Pvt. Ltd. AB 19, Safdarjang Enclave, New Delhi-100 016. 1978.
19. CLEFFORD G. J. : A history of impact of research on teaching. Quoted in Travers, R. M. W. (Ed).
Second Handbook of Research on Teaching, AERA, Rand McNally & Co., Chicago, 1973.
20. CRESSWELL, S. W. (1964) : A study of the relationship between intelligence and performance on programmed learning talk - Educational Review, Vol.16, pp.137-144 Quoted in Travers, R. M. W. (ed):
Second Handbook of Research on Teaching, American Educational Research Association Rand McNally & Co. Chicago, 1973. p.210.

21. CROWDER, N. A. (1958) : Intrinsically programmed materials for teaching complex skills and concepts. Quoted in Smith, W. I. and Moore, J. W. : Programmed Learning, Van Nostrand Co. Inc., 1962, p.68.
22. CUTLER, R. L. et al. (1958) : Teaching Psychology by telephone. Quoted in Gage, N. L. (ed): Handbook of Research on Teaching, American Educational Research Association Rand McNally and Co. Chicago, 1963, p.1153.
23. DESAI U. R. (1966) : Programmed Learning versus traditional approach in the teaching of Gujarati Standard IX, in Buch, M. B. (ed). A survey of Research in Education, CASE, Baroda 1974.
24. EIGEN, L. D. (1963) : High School student reactions to programmed instruction, Phi-Delta Kappan, Vol.44 No.6
25. EIGEN, L. D. and KOMOSKI, P. K. (1960): Research Summary No.1, Automatic teaching project. Quoted in Gage, N. L. (ed): Handbook of Research on Teaching American Educational Research Association Rand McNally & Co. Chicago, 1963. p.627.
26. FILEP, R. T. (1966) : The relationship of learner characteristics to media stimuli and programming sequences. Dissertation Abstracts International, Vol.26, No.5.

27. FISHER, M. B. and MALASS, L. F (1963) : A comparison of programmed and standard textbooks in college instruction, University of South Florida. Quoted in Ebel, R. L. (Revised edition). Encyclopedia of Educational Research, American Educational Research Association, Mc Millan Co. New York 1969 p.375.
28. FUCHS, L. S.; FUCHS, D. and TINDAL GERALD : Effects of Mastery Learning Procedures on Student Achievement. Journal of Educational Research Vol.79 No.5. May/June 1986. Heldref Publications, 4000, Albe marle st. N.W., Washington, D.C. 20016.
29. GAGNE, M. R. (1965) : The conditions of Learning, Holt, Rinehart and Winston Inc.
30. GANGOPADHYAY, P. K. (1974) : Social Intelligence and its relationship with abstract and mechanical intelligence Doctoral thesis, CASE, M. S. University Baroda.
31. GARRET H. E. Book: Statistics in Psychology and Education. Vakils, Feffer and Simons Pvt. Ltd. Haque Building, 9 Sprott Road, Bombay-1.
32. GOVINDA R. (1975) : Development of a programmed text on educational evaluation and experimentally studying its effectiveness as instructional material for B. Ed. students. Doctoral thesis, M.S. University, Baroda.
33. GRONDLUND, N. E. (1965): Measurement and Evaluation in Teaching Mc Millan, New York.

34. GROPPER, G. L. (1966) : Learning from visuals: Some behavioral considerations Quoted in Travers, American Educational Research Association, Rand Mc Nally and Co. Chicago, 1973, p.866.
35. GUBA, E (ed) 1965 : The training and nature of educational researchers, Sixth Annual Phi Delta Kappa Symposium on Educational Research, Phi Delta Kappa, Bloomington.
36. GUBA, E.: Methodological strategies for educational research, paper presented at the Conference on Strategies for Educational Change, Pacific Books Publishers, Palo Alto, California, 1971.
37. Gujarat State Board of School Textbooks; Mathematics Std. V. Published by Gujarat State Board of School Textbooks; Ahmedabad (1981).
38. GULLEY, H. E. (1972) : Discussion, conference and group process (2nd edn), American Publishing Co.Pvt. Ltd. New Delhi.
39. GUSKEY, T. R. (1980) : Mastery Learning. Applying the Theory. Journal : Theory into practice Volume XIX No.2. Spring 1980. page 104 The Ohio State University.
40. HARTMAN, T. F. et al. (1963) : Active responding in programmed learning materials. Journal of Applied Psychology Vol.47, pp.343-347. Quoted in Ebel, R. L. (Revised edition). Encyclopedia of Educational Research, American Educational Research Association, MC Millan Co., New York, 1969 p.375.

41. HIGGINS, N. C. : Formative Evaluation of Teacher Managed Instructional Programs. Journal: Educational Technology Vol. 20, No. 12, December 1980.
42. HILLSON MAURIE, Elementary Education. The Free Press, New York Collier-Macmillan Limited Toronto, Ontario 1967.
43. HODDA R. L. Effect of Mastery Learning Strategy (MLS) on students Achievement in Mathematics. Their Self-concept and Attitude Towards Mathematics. Journal of Educational Research and Extension. Vol. 21, No. 1, July 1984.
44. HODDA R. C. and JARIAL G. L. Improving Students Creativity through the Application of Mastery Learning Strategy. Journal of Indian Education Vol. IX No. 1, May 1983.
45. HUSSAIN, M. (1970): Development of Programmed Learning material and studying its effectiveness. M. Ed. dissertation, CASE, M. S. University, Baroda.
46. JACOBS PAUL I MAIER MILTON H. STULUROW LAWRENCE M. A Guide to evaluating self-Instructional Programs. Holt, Rinehart, Winston, Inc. printed in U.S.A. 1966.
47. JAYALAKSHMI, T. K. (1977) : Systematising modules for teaching-learning of educational psychology. Doctoral work, CASE, M.S. University, Baroda.
48. JOSEPH K. S. (1983) : Evolving a strategy for teaching English grammar at High School level, Doctoral thesis, CASE, M.S. University, Baroda.

49. KAPADIA, G. G. (1972) : To study the relationship between personality variables and achievement of pupils on Programmed learning material - Doctoral thesis, CASE, M. S. University, Baroda.
50. KRISHNAMURTHY, V. (1972) : An investigation into the relative effectiveness of different forms of programmed learning material - Doctoral thesis, CASE, M. S. University, Baroda.
51. KULKARNI, P. V. and YADAV, M. S. (1966) : A comparative study of teaching by different methods of programming of different levels of pupils. In Buch M. B. (ed.), A survey of Research in Education; CASE, Baroda, 1974.
52. KURUVILLA, R. (1976): An experimental study in the use of programmed learning material in the classroom - Doctoral thesis, CASE, M. S. University, Baroda.
53. LARKIN, T. C. and LEITH, G. D. M. (1964) : The effectiveness of linear and branching methods of programmed instruction on learning and retention of a topic in elementary science - Programmed Learning and Educational Technology, Vol.1, No.1, pp.12-16.
54. LISAUGHT JEROME P.. WILLIAMS CLARENIC M. Programmed Instruction. John Wiley & Sons, Inc. 1963. New York, London.
55. MACCIA, S. Theories of Instruction conceptual Models in Teacher Education. Quoted in Verdium, J.R. (ed.), American Association of College for Teacher Education, Washington, D.C. 1967.

56. MATHUR, R. N. On Implementation of a Mastery Learning Strategy. Journal of Higher Education. Vol.4, no.3, Spring 1979.
57. MEHTA, S. J. (1973) : An investigation into the effectiveness of programmed material in English in developing reading ability, Doctoral thesis, CASE, M. S. University, Baroda.
58. MENON, M. B. (1984) : Evolving a Multimedia Approach to teaching at Post-Graduate level. Doctoral thesis, CASE, M. S. University, Baroda.
59. MENON, M. B. & BHAT V. D. (1983): 'Group based learning experiences at higher education'. New Frontiers in Education, Vol.XIII, No.1, pp. 58-61.
60. MENON, M. B. and JOSHI, S. M. (1982) : Assignment in instruction (Mimed). Centre of Advanced Study in Education, M.S.University of Baroda.
61. MENON, S. B. (1978): Relative effectiveness of different instructional media in teaching Physics at secondary school level. M. Ed. dissertation, CASE, M.S.University, Baroda.
62. MENON, S. B. and MENON, M. B. (1979): Effect of teachers' direct involvement in the instructional process. Journal of Institute of Educational Research, Vol.3, No.1.
63. MIAN, S. J. (1980): An experimental study of teaching science in standard six and seven through modules. Doctoral thesis, CASE, M.S.University, Baroda.



64. MULLICK, S. P. (1964): An experiment on a programmed learning lesson in a correspondence course, in Buch, M. B. (ed): A survey of Research in Education, CASE, M. S. University, Baroda, 1974.
65. NEWMAN, S. E and HIGHLAND, R. W. (1956): The effectiveness of four instructional methods at different stages of a course. Quoted in Gage, N. C. (ed): Handbook of Research on Teaching, American Educational Research Association, Rand, Mc Nally and Co. Chicago, 1963, p.607.
66. NUNNALLY JUM C. Educational Measurement and Evaluation. Mc Graw-Hill Book Company, New York, 1972.
67. PANDYA, N. L. (1973): A study of the effectiveness of programmed learning strategy in learning of Physics in X Class of secondary schools. Doctoral thesis, S.P.University, Vallabh Vidyanagar.
68. PORTER, D. (1961) : An application of reinforcement principles to classroom teaching, Graduate School of Education, Harvard University, Cambridge, Massachusetts.
69. PAYNE, D. A., KRATHWOHL, D. R. and GORDON, J. (1967): The effect of sequence on programmed instruction. Quoted in Travers, R. M. W. (ed): Second Handbook of Research on Teaching, American Educational Research Association, Rand Mc Nally and Co., Chicago, 1973, p.1114.
70. RAVINDRANATH, M. J. (1982): Development of a multimedia instructional strategy in science (Biology) at secondary level. Doctoral thesis, CASE, M.S. University, Baroda.

71. REDDY, N. Y. (1975): Programmed Learning Vs. conventional learning in the instruction of language - A comparative study. In Buch M. B. (ed.): Second survey of Research in education, SERD, Baroda. 1979.
72. ROMESH CHAND : Effects of personalised system of Instruction and Bloom's Mastery Learning strategy on the Retention of High School students in a segment of science.
Abstract of the Ph.D. Thesis submitted to H.P. University, Shimla 1984.
73. ROY, S. (1977): Classroom questioning and pupil achievement: An enquiry into teaching style. In Buch, M. B. (ed): Second survey of Research in education, SERD, Baroda, 1979.
74. SANSANWAL, D. N. (1977): An experimental study in programmed learning for teaching research methodology course at M. Ed. level. Doctoral thesis, CASE, M. S. University, Baroda.
75. SESHADRI, M. (1979): An experiment in the use of programmed learning material at secondary level. Doctoral thesis, CASE, M. S. University, Baroda.
76. SHAH, G. B. (1971): Effectiveness of four response modes in programmed learning : an exploration. Indian Educational Review, Vol.6, No.1, New Delhi.
77. SHAH, I. K. (1981): Developing teaching strategy and studying its effectiveness on classroom, Doctoral thesis, CASE, M.S. University, Baroda.

78. SHARMA, M. M. (1966): A comparative study of outcomes of teaching of Algebra by conventional classroom method and method of programmed instruction. Quoted in Buch M. B. (ed): A survey of Research in Education, CASE, M. S. University, Baroda, 1974.
79. SHARMA, R. A. (1966): A study of achievement in Geography through programmed instruction. Quoted in Buch, M. B. (ed): Survey of Educational Research, CASE, Baroda. 1974.
80. SHARMA, R. A. Programmed Instruction : An instructional Technology (Theory, practice and Research) Published by International Publishing House Meerut (U.P) 1981-82.
81. SHAYCOFT MARIAN F. Handbook of criterion referenced testing : Development, evaluation and use. Published by Garland STPM Press, 545, Madison Avenue, New York 10022, 1979.
82. SINGH, I. R. (1972): A programme on fraction. M. Ed. dissertation, Meerut University, Meerut.
83. SINGH DNKAR : Effects of Mastery Learning strategies on certain Non Cognitive Variables of High School students. Abstract of the Ph. D. Thesis; submitted to H. P. University, Shimla, 1983.
84. SKIANER, B. F. (1954): The science of learning and the art of teaching, Harvard Educational Review, Vol.24, pp. 86-97. Reprinted in Smith, W. I. and Moore, J. W. Programmed Learning Van Nostrand Co. Inc. 1962, pp. 18-33.

85. SMITH, B. O. et al. (1967) : A study of strategies of teaching. Quoted in Deighton, L. C. (ed). The Encyclopedia of Education, Mc Millan and Free Press, 1971.
86. SODHI, G. S. (1977) : Evaluation of programmed learning in chemistry in relation to Taxonomy of educational objectives, intelligence and personality traits at the higher secondary level. In Buch, M. B. (ed): Second survey of Research in Education SERD, Baroda 1979.
87. TAYLOR WILLIAM : Research Perspectives in Education. Routledge and Kegan Paul Ltd. Broadway House, 68-74 Carter Lane, London EC4V 5EL 1973.
88. TRAVERS, R. M. W. (1966): Toward taking a fun out of building a theory of instruction, teachers college.
89. VARDHINI, V. P. (1983): Development of multi-media instructional modules for teaching science at secondary level - Doctoral thesis, CASE, M.S. University of Baroda, Baroda.
90. WILES, D. K. (1972): Changing perspectives in educational research, Wadsworth.
91. YADAV, M. S. and GOVINDA, R. (1976): Educational technology without hardware, New Frontiers in Education, Vol.6, No.2.

- 92.YADAV, M. S. and GOVINDA, R. (1977): Evolvment of an instructional strategy for teaching educational evaluation - Aspects of Educational Technology, Vol.11, pp. 439-447.
- 93.YADAV, M. S., MENON, S. B. and ARUNKUMAR, P. (1981): Educational Research as scientific Inquiry, Journal of Higher Education, Vol.7, No.1, Monsoon, New Delhi, pp. 111-116.
- 94.YATES, A. (ed) (1971): The role of research in educational change, Pecific Book Publishers, Palo Alto, California.